

## FEMA's Latest Multi-Hazard Software

# HAZUS<sup>®</sup>

EARTHQUAKE • WIND • FLOOD **MH**

*What Could Happen?*

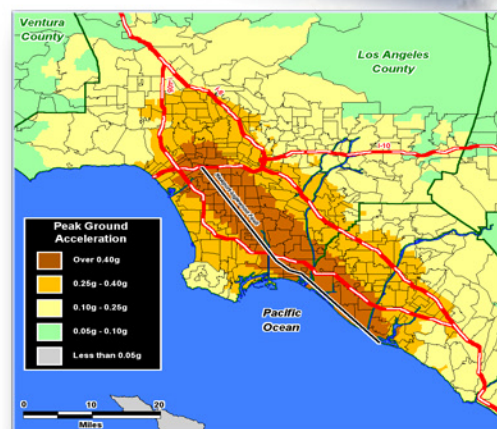
## National HAZUS<sup>®</sup> **MH** Training

### Who Would Benefit?

- emergency managers
- GIS specialists
- geologists
- state and local planners
- consultants
- those involved in risk assessment activities

### Course Schedule

Regularly scheduled, 3½-day **HAZUS<sub>MH</sub>** training classes are held at FEMA's National Emergency Training Institute (EMI) located on the National Emergency Training Center campus in Emmitsburg, Maryland, 75 miles north of Washington, DC.



COURSE NUMBER	COURSE TITLE	DATES
E170	Advanced HAZUS-MH for Hurricane	January 22-25, 2007
E172	Advanced HAZUS-MH for Flood	August 14-17, 2006 June 25-28, 2007 August 13-16, 2007
E174	Advanced HAZUS-MH for Earthquake	July 17-21, 2006 February 5-8, 2007
E179	Application of HAZUS-MH for Disaster Operations	June 12-15, 2006 February 26-March 1, 2007 April 30-May 3, 2007
E190	Introduction to ArcGIS for HAZUS-MH Users	October 16-19, 2006 April 16-19, 2007
E296	HAZUS-MH / DMA 2000 Risk Assessment	Aug 28-30, 2006 July 16-18, 2007
E313	Basic HAZUS-MH	October 30-November 2, 2006 December 4-7, 2006 June 11-14, 2007
E317	Comprehensive Data Management for HAZUS-MH	September 11-14, 2006 September 17-20, 2007

Visit [www.fema.gov/plan/prevent/hazus/hz\\_training.shtm](http://www.fema.gov/plan/prevent/hazus/hz_training.shtm) for information about courses available for field delivery.

# Course Descriptions

## Basic HAZUS<sub>MH</sub>

Provides local, state, and regional officials with a working knowledge of the **HAZUS<sub>MH</sub>** methodology and the GIS-based software. Gives a strong understanding of the multi-hazard applications of **HAZUS<sub>MH</sub>** to mitigation, response, recovery, and risk management. Prerequisites: The ESRI online ArcGIS tutorial, is strongly recommended.

## Introduction to ArcGIS for HAZUS<sub>MH</sub> Users

Provides the essential ArcGIS skills and knowledge to effectively use the **HAZUS<sub>MH</sub>** software. Course topics include basic GIS concepts; tools for symbolizing, querying, and analyzing data; data management; and manipulation of tabular data. The course concludes with an introduction to **HAZUS<sub>MH</sub>**.

## Advanced HAZUS<sub>MH</sub> for Hurricane

Provides in-depth instruction on the use of **HAZUS<sub>MH</sub>** for advanced applications related to wind loss modeling. Prerequisites: Basic **HAZUS<sub>MH</sub>** and a strong working knowledge of ArcGIS.

## Advanced HAZUS<sub>MH</sub> for Earthquake

Provides in-depth instruction on the use of **HAZUS<sub>MH</sub>** for advanced applications related to earthquake loss modeling. Prerequisites: Basic **HAZUS<sub>MH</sub>** and a strong working knowledge of ArcGIS.

## Advanced HAZUS<sub>MH</sub> for Flood

Provides in-depth instruction on the use of **HAZUS<sub>MH</sub>** for advanced applications related to flood loss modeling. Prerequisites: Basic **HAZUS<sub>MH</sub>** and a strong working knowledge of ArcGIS and Spatial Analyst.

## HAZUS<sub>MH</sub> for Disaster Operations

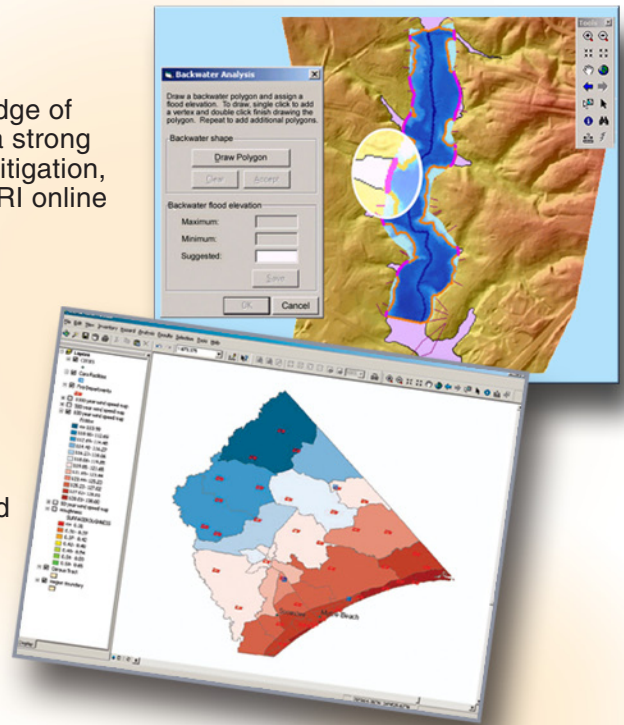
Provides FEMA and state emergency management officials with comprehensive guidance on the use of **HAZUS<sub>MH</sub>** at the Disaster Field Office (DFO) to support emergency management decisions. The course is not intended to provide instruction on how to operate **HAZUS<sub>MH</sub>** at the DFO (current courses provide this instruction), but how to use **HAZUS<sub>MH</sub>** analyses and outputs to support decisions on emergency management policies, plans, programs, and implementation strategies.

## HAZUS<sub>MH</sub> DMA 2000 Risk Assessment

Enhances knowledge and capabilities of organizations and individuals to prepare risk assessments using **HAZUS<sub>MH</sub>**. The risk assessment process is based on DMA 2000 guidance regulations.

## Comprehensive Data Management for HAZUS<sub>MH</sub>

Provides in-depth instruction on collecting and processing high-resolution hazard inventory data and integrating the data into **HAZUS<sub>MH</sub>**. Detailed lessons include: Data Availability, Modification and Costs, Importing BIT and InCast Files, Developing Point, Polyline and Polygon data, FIT, and Comparing Analyses. Prerequisites: Basic **HAZUS<sub>MH</sub>**



For more information about **HAZUS<sub>MH</sub>**, and training opportunities, visit the HAZUS page on the FEMA website at [www.fema.gov/plan/prevent/hazus](http://www.fema.gov/plan/prevent/hazus), or send an email to [FEMA-HAZUS@dhs.gov](mailto:FEMA-HAZUS@dhs.gov).

**HAZUS<sub>MH</sub>** is available free of charge.



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